

km north of Fullerton, Hwy County 8, Becker township, Dickey County. Seed collected from 28 plants. Population isolated in a disturbed area next to cultivated sunflower field, sandy soil. Seed set good, plants well past flowering, plants typical of wild *H. annuus*, 2 m tall, branching above. A few plants with larger heads (5-8 cm diameter), probably hybrid with cultivated sunflower.

PI 586889. *Helianthus grosseserratus* Martens

Wild. Ames 17956; GRO 2204. Collected 09/15/1991 in Nebraska, United States. Latitude 41 deg. 9' N. Longitude 100 deg. 45' W. Roadside ditch in moist lowland. 4.8 km north of North Platte, Hwy. 83 N, Lincoln County. Seed collected from 75 plants. Population scattered in low, moist area of roadside, sandy soil. Plants 1.5-2 m tall, lanceolate leaves, purple stem, slight branching above. Most plants fit *H. grosseserratus* type, dark green serrated leaves but leaves are scabrous, thicker than normal. No insect damage, no apparent rust.

PI 586890. *Helianthus grosseserratus* Martens

Wild. Ames 17957; GRO 2212. Collected 09/15/1991 in Nebraska, United States. Latitude 42 deg. 10' N. Longitude 100 deg. 23' W. Sandy soil in roadside ditch, moist lowland. 36.8 km north of Thedford, Hwy. 83 N, Cherry County. Seed collected from 35 plants. Clumped, small isolated population. Typical *H. grosseserratus* habitat, moist lowland. Typical plants, branching at top, red stem, serrated leaves not too scabrous. Population past flowering, good seed set. No apparent rust.

The following were collected by Cynthia Stauffer, Regional Plant Introduction Station, Iowa State University, Ames, Iowa 50011, United States; Gerald Seiler, USDA, ARS, Northern Crop Science Lab., P.O. Box 5677, University Station, Fargo, North Dakota 58105, United States; Radovan Marinkovic, Institute of Field and Vegetable Crops, M. Gorkog 30, 21000, Novi Sad, Serbia, Yugoslavia; Surendra Duhoon, National Bureau of Plant Genetic Resources, I.A.R.I. Campus, PUSA, New Dehli, India. Donated by Gerald Seiler, USDA, ARS, Northern Crop Science Lab., P.O. Box 5677, University Station, Fargo, North Dakota 58105, United States. Received 10/17/1991.

PI 586891. *Helianthus maximilianii* Schrader

Wild. Ames 17958; MAX 2097. Collected 09/04/1991 in North Dakota, United States. Latitude 46 deg. 55' N. Longitude 97 deg. 11' W. Clay soil in roadside ditch. 12.8 km north of Casselton, Hwy 18 N, Cass County. Seed collected from approximately 75 plants. Large scattered population, extending 0.4 km. Typical species, plants past flowering, seed set variable. No associated sunflower species. No apparent insect damage.

PI 586892. *Helianthus maximilianii* Schrader

Wild. Ames 17959; MAX 2098. Collected 09/04/1991 in North Dakota, United States. Latitude 47 deg. 26' N. Longitude 98 deg. 7' W. Loam soil in roadside ditch at edge of wet area. 7.7 km east of Cooperstown, Hwy. 200 E, Griggs County. Seed collected from 35 plants. Large scattered population, extending ca. 100 m. Plants past flowering, seed set variable. Plants have wider than typical leaves for *H. maximilianii*, plants slightly taller than normal. Very severe rust infection. Rust sampled for *T. Gulya*, probably too old for spores.

PI 586893. *Helianthus maximilianii* Schrader

Wild. Ames 17960; MAX 2100. Collected 09/04/1991 in North Dakota, United States. Latitude 47 deg. 26' N. Longitude 98 deg. 20' W. Loam soil in roadside ditch at level part of ditch. 36 km west of Cooperstown, Hwy. 200 W, Griggs County. Seed collected from 50-60 plants. Population scattered over ca. 100 m. All plants past flowering, seed set variable, appears to be typical species. Some insect damage to disc flowers. A light rust infection present in population.